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Weffer

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(54) **SURROUND SOUND HEADPHONES**

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(56) **References Cited**

U.S. PATENT DOCUMENTS

3,943,304 * 3/1976 Piribauer 179/105

3,984,885 * 10/1976 Yoshimura 179/156 R
4,173,715 * 11/1979 Gosman 179/156 R
5,680,465 * 10/1997 Boyden 381/25

* cited by examiner

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(57) **ABSTRACT**

A surround sound headphones for enhancing a wearer's listening experience by providing a surround sound speaker configuration therein. The surround sound headphones includes a headband for wear on a user's head and a pair of earpieces coupled to the headband. Each of the earpieces has an open inner face which defines a cavity in the respective earpiece. Each earpiece may also have a generally circular shaped fabric covered shield covering the open inner face of the respective earpiece. The inner face of each of the earpieces has a center extent extending into the cavity of the respective earpiece. The center extent has a plurality of side faces each having at least one speaker mounted thereon.

8 Claims, 2 Drawing Sheets

